

May 3, 2002

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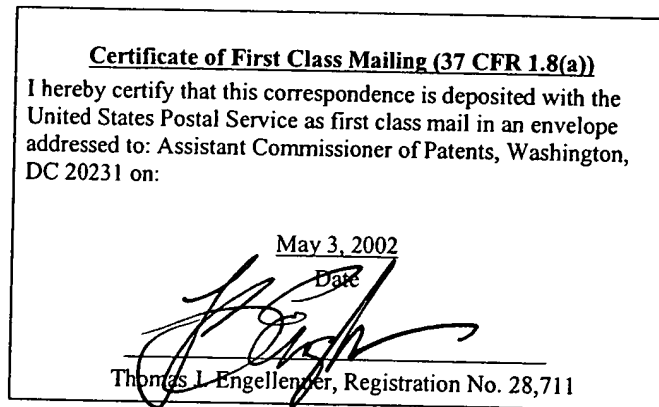
Re: U.S. Patent Application No. 10/005,040
METHOD AND APPARATUS FOR THERAPEUTIC TREATMENT OF SKIN
Applicant: Peter J. Klopotek
Attorney Docket No: 101646-6

Dear Sir:

I enclose herewith for filing in the above-identified application the following:

1. Information Disclosure Statement;
2. PTO-1449, thirty-one (31) references cited therein;
3. Return postcard.

Please charge any additional fee to our Deposit Account No. 141449.



Respectfully submitted,

Thomas J. Engellenner
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Peter J. Klopotek
Application No. : 10/005,040
Filed : December 4, 2001
Entitled : METHOD AND APPARATUS FOR
THERAPEUTIC TREATMENT OF
SKIN
Docket No. : 101646-6

Group Art Unit: 3737

Examiner: Not Yet Assigned

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By:

Date of Signature and Mail Deposit

Thomas J. Engellenner
Reg. No: 28,711

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, DC 20231

Dear Sir:


Applicant hereby cites for the record in this application the enclosed documents listed on the attached copy of PTO Form 1449. The enclosed Information Disclosure Statement is being filed prior to the mailing date of a first Office Action on the merits. Accordingly, Applicant believes that no fee or certification is required.

The Assistant Commissioner is hereby authorized to charge payment of any additional fees associated with this communication or credit any overpayment to Deposit Account No. 141449.

Respectfully submitted,

NUTTER, MCCLENNEN & FISH, LLP

Date: May 3, 2002



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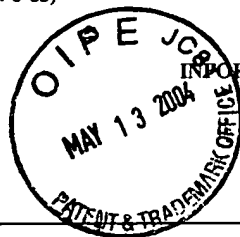
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U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO:
101646-6

APPLICATION NO:
10/005,040



INFORMATION DISCLOSURE CITATION

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APPLICANTS:
Peter J. Klopotek

FILING DATE:
December 4, 2001

GROUP ART UNIT:
3737

U.S. PATENT DOCUMENTS

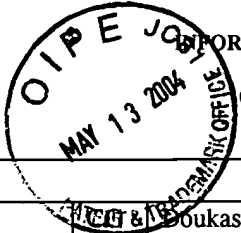
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE*
	AA	4	7	8	7	3	7	3	11/29/88	Vogel	128	24	
	AB	4	8	9	3	6	2	4	01/16/90	Lele	128	399	
	AC	4	9	3	8	2	1	6	07/03/90	Lele	128	399	
	AD	4	9	3	8	2	1	7	07/03/90	Lele	128	399	
	AE	4	9	6	0	1	0	9	10/02/90	Lele	128	736	
	AF	5	2	3	0	3	3	4	07/27/93	Klopotek	128	399	
	AG	5	5	0	1	6	5	5	03/26/96	Rolt et al.	601	3	
	AH	5	5	0	7	7	9	0	04/16/96	Weiss	607	100	
	AI	5	6	1	8	2	7	5	04/08/97	Bock	604	290	
	AJ	6	3	2	5	7	6	9	12/04/01	Klopotek	601	2	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

	CA	Bacon, D.R. and Shaw, A., "Experimental Validation of Predicted Temperature Rises in Tissue-Mimicking Materials," <i>Phys. Med. Biol.</i> , vol. 38, 1647-59 (1993);
	CB	Barnett, S.B. et al., "Current Status of Research on Biophysical Effects of Ultrasound," <i>Ultrasound in Med. & Biol.</i> , vol. 20, no. 3, 205-18 (1994);
	CC	Chandraratna, P. et al., "Characterization of Collagen by High-Frequency Ultrasound: Evidence for Different Acoustic Properties Based on Collagen Fiber Morphologic Characteristics," <i>Am. Heart. J.</i> , vol. 133, 364-8 (1997);
	CD	Coleman, A.J. and Saunders, J.E., "A Review of the Physical Properties and Biological Effects of the High Amplitude Acoustic Fields Used in Extracorporeal Lithotripsy," <i>Ultrasonics</i> , vol. 31, no. 2, 75-89 (1993);
	CE	Crum, L.A. et al., "Acoustic Cavitation Produced by Microsecond Pulses of Ultrasound: A Discussion of Some Selected Results," <i>J. Acoust. Soc. Am.</i> , vol. 91, no. 2, 1113-9 (Feb. 1992);
	CF	Doukas, A. et al., "Biological Effects of Laser-Induced Shock Waves: Structural and Functional Cell Damage <i>In Vitro</i> ," <i>Ultrasound in Med. & Biol.</i> , vol. 19, no. 2, 137-46 (1993);
Examiner		Date Considered:
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<div style="text-align: center;">  </div>				INFORMATION DISCLOSURE CITATION	
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OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)					
		Doukas, A., "Laser-generated Stress Waves in Medicine: From Tissue Injury to Drug Delivery," <i>OSA Trends in Optics and Photonics Series</i> , vol. 22, 312-6 (March 8-11, 1998);			
	CH	Doukas, A.G. and Flotte, T.J., "Physical Characteristics and Biological Effects of Laser-Induced Stress Waves," <i>Ultrasound in Med. & Biol.</i> , vol. 22, no. 2, 151-64 (1996);			
	CI	Doukas, A. et al., "Physical Factors Involved in Stress-Wave-Induced Cell Injury: The Effect of Stress Gradient," <i>Ultrasound in Med. & Biol.</i> , vol. 21, no. 7, 961-7 (1995);			
	CJ	Enwemeka, C. et al., "The Biomechanical Effects of Low-Intensity Ultrasound on Healing Tendons," <i>Ultrasound in Med. & Biol.</i> , vol. 16, no. 8, 801-7 (1990);			
	CK	Fan, X. and Hynynen, K., "Control of the Necrosed Tissue Volume During Noninvasive Ultrasound Surgery Using a 16-element Phased Array," <i>Med. Phys.</i> , vol. 22, no. 3, 297-306 (March 1995);			
	CL	Gelfand, J. et al., "Alterations in Body Temperature," In <i>Harrisons's Principles of Internal Medicine</i> , Kurt J. Isselbacher et al., eds. (McGraw Hill), pp. 81-5, 2473-6 (1994);			
	CM	Grundlagen, A., "Therapeutischer Ultrascha in der Tumorthherapie," <i>Radiology</i> , vol. 36, 64-71 (1996);			
	CN	Lask, G. et al., "Nonablative Laser Treatment of Facial Rhytides," Conference 2870D, February 9, 1997 Part of SPIE Proceedings Vol. 2970, Cutaneous Applications of Lasers: Dermatology, Plastic Surgery, and Tissue Welding, 1-12;			
	CO	Miller, M. et al., "A Review of <i>In Vitro</i> Bioeffects of Inertial Ultrasonic Cavitation From a Mechanistic Perspective," <i>Ultrasound in Med. & Biol.</i> , vol. 22, no. 9, 1131-54 (1996);			
	CP	Nyborg, W., "Scientifically Based Safety Criteria for Ultrasonography," <i>J. Ultrasound Med.</i> , vol. 11, 425-32 (1992);			
	CQ	Payne, P., "Measurement of Properties and Function of Skin," <i>Clin. Phys. Physiol. Meas.</i> , vol. 12, no. 2, 105-29 (1991);			
	CR	Ramirez, A. et al., "The Effect of Ultrasound on Collagen Synthesis and Fibroblast Proliferation <i>In Vitro</i> ," <i>Medicine and Science in Sports and Exercise</i> , 326-32 (1997);			
	CS	Weaver, J. A. et al., Mathematical Model of Skin Exposed to Thermal Radiation," <i>Aerospace Medicine</i> , January 1969, 24-30;			
	CT	Webster, D.F. et al., "The Role of Cavitation in the <i>In Vitro</i> Stimulation of Protein Synthesis in Human Fibroblasts by Ultrasound," <i>Ultrasound in Med. & Biol.</i> , vol. 4, 343-51 (1978);			
	CU	Webster, D.F. et al., "The Role of Ultrasound-Induced Cavitation in the "In Vitro" Stimulation of Collagen Synthesis in Human Fibroblasts," <i>Ultrasonics</i> , 33-7 (January 1980).			
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Appl. No. 10/005,040 Atty Docket No. 1016416-6 By: TJE
Title: METHOD AND APPARATUS FOR THERAPEUTIC TREATMENT OF SKIN
Application of Peter J. Klopdek

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(Figs. _____)

- ☐ Verified Statement to establish a small entity status
☐ Continuing prosecution app under 37 CFR 1.53(d)
☐ Assignment & Recordation Cover Sheet

- ☒ Inf. Disc. Statement, PTO Form 1449 and 31
Reference(s) Cited
☐ PCT Request 101 (_____ sheets)
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Appl. No. 10/005,040 Atty Docket No. 1016416-6 By: TJE
Title: METHOD AND APPARATUS FOR THERAPEUTIC TREATMENT OF SKIN
Application of Peter J. Klopdek

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of New Power of Attorney
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